

97-99E - Sequence List
SEQUENCE LISTING

<110> The Board of Trustees of the University of Illinois
Wittrup, et al.

<120> Yeast Cell Surface Display of Proteins and Uses Thereof

<130> 97-99E

<140> not available

<141> 2003-12-16

<150> US 09/724,108

<151> 2000-11-28

<150> US 09/009,388

<151> 1998-01-20

<150> US 08/866,398

<151> 1997-05-30

<150> US 60/018,741

<151> 1996-05-31

<160> 26

<170> PatentIn version 3.0

<210> 1

<211> 9

<212> PRT

<213> Unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 1

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 2

<211> 10

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 2

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1 5 10

<210> 3

<211> 6

<212> PRT

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<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 3

Asp Thr Tyr Arg Tyr Ile
1 5

<210> 4

<211> 6

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 4

Thr Asp Phe Tyr Leu Lys
1 5

<210> 5

<211> 9

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 5

Glu Glu Glu Glu Tyr Met Pro Met Glu
1 5

<210> 6

<211> 11

<212> PRT

<213> unknown

<220>

<221> misc_feature

<222> ()..()

<223> Epitope tag

<400> 6

Lys Pro Pro Thr Pro Pro Pro Glu Pro Glu Thr
1 5 10

<210> 7

<211> 6

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<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
<223> Epitope tag

<400> 7

His His His His His His
1 5

<210> 8
<211> 5
<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
<223> Epitope tag

<400> 8

Arg Tyr Ile Arg Ser
1 5

<210> 9
<211> 8
<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
<223> Epitope tag

<400> 9

Asp Tyr Lys Asp Asp Asp Asp Lys
1 5

<210> 10
<211> 30
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> PCT primer towards AGA2 gene of *S. cerevisiae*

<400> 10
attagaattc cctacttcat acattttcaa

30

<210> 11
<211> 73

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<212> DNA
 <213> artificial sequence

 <220>
 <221> misc_feature
 <222> ()..()
 <223> PCT primer towards AGA2 gene of *S. cerevisiae*

 <400> 11
 attactcgag ctattactgc agagcgtagt ctggaacgtc gtatgggtaa aaaacatact 60
 gtgtgtttat ggg 73

 <210> 12
 <211> 71
 <212> DNA
 <213> artificial sequence

 <220>
 <221> misc_feature
 <222> ()..()
 <223> PCT primer towards the factor Xa recognition sequence

 <400> 12
 tcgacgattg aaggtagata cccatacgac gttccagact acgctctgca gtaatagatt 60
 atcctcgagc t 71

 <210> 13
 <211> 63
 <212> DNA
 <213> artificial sequence

 <220>
 <221> misc_feature
 <222> ()..()
 <223> PCR primer towards the factor Xa recognition sequence

 <400> 13
 cgaggataat ctattactgc agagcgtagt ctggaacgtc gtatgggtat ctaccttcaa 60
 tcg 63

 <210> 14
 <211> 10
 <212> DNA
 <213> artificial sequence

 <220>
 <221> misc_feature
 <222> ()..()
 <223> PCR primer towards Gal promoter

 <400> 14
 aattggtacc 10

 <210> 15
 <211> 10
 <212> DNA
 <213> artificial sequence

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<220>
 <221> misc_feature
 <222> ()..()
 <223> PCR primer towards Gal promoter

<400> 15
 gatcgaattc 10

<210> 16
 <211> 34
 <212> DNA
 <213> artificial sequence

<220>
 <221> misc_feature
 <222> ()..()
 <223> PCR primer towards 4-4-20 scFv

<400> 16
 ggttgccaa gctagcgacg tcgttatgac tcaa 34

<210> 17
 <211> 70
 <212> DNA
 <213> artificial sequence

<220>
 <221> misc_feature
 <222> ()..()
 <223> PCR primer towards 4-4-20 scFv

<400> 17
 ggccggccaa ctcgagctat tacaagtctt cttcagaaat aagcttttgt tctgaggaga 60
 cggtgactga 70

<210> 18
 <211> 30
 <212> DNA
 <213> artificial sequence

<220>
 <221> misc_feature
 <222> ()..()
 <223> PCR primer towards AGA1 gene of S. cerevisiae

<400> 18
 attagaattc agctaaaaaa accaaaaaat 30

<210> 19
 <211> 33
 <212> DNA
 <213> artificial sequence

<220>
 <221> misc_feature
 <222> ()..()
 <223> PCR primer towards AGA1 gene of S. cerevisiae

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<400> 19
attactcgag ctattaactg aaaattacat tgc 33

<210> 20
<211> 1172
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> ()..()
<223> Cloned PCR products to produce AFA2-HA-4-4-20 gene cassette

<400> 20
attagaattc cctacttcat acattttcaa ttaagatgca gttacttcgc tgtttttcaa 60
tatttttctgt tattgcttca gtttttagcac aggaactgac aactatatgc gagcaaatcc 120
cctcaccaac tttagaatcg acgccgtact ctttgtcaac gactactatt ttggccaacg 180
ggaaggcaat gcaaggagtt tttgaatatt acaaatcagt aacgtttgtc agtaattgcg 240
gttctcacc cccaacaact agcaaaggca gccccataaa cacacagtat gtttttaagg 300
acaatagctc gacgattgaa ggtagatacc catacgacgt tccagactac gctctgcagg 360
ctagcgacgt cgttatgact caaacaccac tatcacttcc tgttagtcta ggagatcaag 420
cctccatctc ttgcagatct agtcagagcc ttgtacacag taatggaaac acctatttac 480
gttggtacct gcagaagcca ggccagtctc caaagggtcct gatctacaaa gtttccaacc 540
gatttttctgg ggtcccagac aggttcagtg gcagtggatc agggacagat ttcacactca 600
agatcagcag agtgaggagct gaggatctgg gagtttattt ctgctctcaa agtacacatg 660
ttccgtggac gttcgggtgga ggcaccaagc ttgaaattaa gtcctctgct gatgatgcta 720
agaaggatgc tgctaagaag gatgatgcta agaaagatga tgctaagaaa gatggtgacg 780
tcaaactgga tgagactgga ggaggcttgg tgcaacctgg gaggcccatg aaactctcct 840
gtggtgcctc tggattcact tttagtgact actggatgaa ctgggtccgc cagtctccag 900
agaaaggact ggagtgggta gcacaaatta gaaacaaacc ttataattat gaaacatatt 960
attcagattc tgtgaaaggc agattcacca tgtcaagaga tgattccaaa agtagtgtct 1020
acctgcaaat gaacaactta agagttgaag acatgggtat ctattactgt acgggttctt 1080
actatggtat ggactactgg ggtcaaggaa cctcagtcac cgtctcctca gaacaaaagc 1140
ttatttctga agaagacttg taatagctcg ag 1172

<210> 21
<211> 366
<212> DNA
<213> artificial sequence

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<220>

<221> misc_feature

<222> ()..()

<223> PCR products of wild type scFv-KJ16

<400> 21

gacgtcctgg tgacccaaac tcctgcctcc ctgtctgcat ctccggatga atctgtcacc 60

atcacatgcc aggcagcca ggacattggg acttcgtagg ttgggtatca gcagaaacca 120

gggaaatctc ctgagctcct ggtctatagt gcaactatct tggcagatgg ggtcccatca 180

aggttcagtg gcagtagatc tggcacacag tattctctta agatcaacag actacagggt 240

gaagatattg gaacctatta ctgtctacag gtttctagtt ctccgtacac gtttggagct 300

ggcaccaagc tggagctcaa acggctcctca gaacaaaagc ttatttccga agaagatttg 360

tagtaa 366

<210> 22

<211> 366

<212> DNA

<213> artificial sequence

<220>

<221> misc_feature

<222> ()..()

<223> PCR products of KJ16-mut4

<400> 22

gacgtcctgg tgacccaaac tcctgcctcc ctgtctgcat ctccggatga atctgtcacc 60

atcacatgcc aggcagcca ggacattggg acttcgtagg ttgggtatca gcagaaacca 120

gggaaatctc ctgagctcct ggtctatagt gcaactatct tggcagatgg ggtcccatca 180

aggttcagtg gcagtagatc tggcacacag tattctctta agatcaacag actacagggt 240

gaagatattg gaacctatta ctgtctacag gtttctagtt ctccgtacac gtttggagct 300

ggcaccaagc tggagctcaa acggctcctca gaacaagagc ttatttccga agaagatttg 360

tagtaa 366

<210> 23

<211> 366

<212> DNA

<213> artificial sequence

<220>

<221> misc_feature

<222> ()..()

<223> PCR products of KJ16-mut7

<400> 23

gacgtcctgg tgacccaaac tcctgcctcc ctgtctgcat ctccggatga atctgtcacc 60

atcacatgcc aggcagcca ggacattggg acttcgtagg ttgggtatca gcagaaacca 120

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gggaaatctc ctcagctcct ggtctatagt gcaactatct tggcagatgg ggtcccatca 180
 aggttcagtg gcagtaaadc tggcacacag tattctctta agatcaacag actacagggt 240
 gaagatattg gaacctatta ctgtctacag gtttctagtt ctccgtacac gtttggagct 300
 ggcaccaagc tggagctcaa acggctcctca gaacaaaagc ttatttccga agaagatttg 360
 tagtaa 366

<210> 24
 <211> 747
 <212> DNA
 <213> artificial sequence

<220>
 <221> misc_feature
 <222> ()..()
 <223> Sequence showing mutations in T-cell receptor

<400> 24
 gacgtcgcag tcacccaaag cccaagaaac aaggtggcag taacaggagg aaaggtgaca 60
 ttgagctgta atcagactaa taaccacaac aacatgtact ggtatcggca ggacacgggg 120
 catgggctga ggctgatcca ttattcatat ggtgctggca gcaactgagaa aggagatata 180
 cctgatggat acaaggcctc cagaccaagc caagagaact tctccctcat tctggagttg 240
 gctacccctc ctcagacatc agtgtacttc tgtgccagcg gtgggggggg caccttgtag 300
 tttggtgcgg gcacccgact atcgggtgcta tcctccgcgg atgatgctaa gaaggatgct 360
 gctaagaagg atgatgctaa gaaagatcat gctaagaaag atgcacagtc agtgacacag 420
 cccgatgctc gcgtcactgt ctctgaagga gcctctctgc agctgagatg caagtattcc 480
 tactctgcga caccttatct gttctggtat gtccagtacc cgcggcaggg gctgcagctg 540
 ctctcaagt actattccgg agaccagtg gttcaaggag tgaatggctt tgaggctgag 600
 ttcagcaaga gcaactcttc cttccacctg cggaaagcct ccgtgcactg gagcgactcg 660
 gctgtgtact tctgtgctgt gagcggcttt gcaagtgcgc tgacatttgg atctggcaca 720
 aaagtcattg ttctaccata catctag 747

<210> 25
 <211> 15
 <212> PRT
 <213> artificial sequence

<220>
 <221> misc_feature
 <222> ()..()
 <223> Linker between PCR products to maintain correct reading frame

<400> 25

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 1 5 10 15

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<210> 26
<211> 4
<212> PRT
<213> unknown

<220>
<221> misc_feature
<222> ()..()
<223> Epitope tag

<400> 26

Ile Glu Gly Arg
1